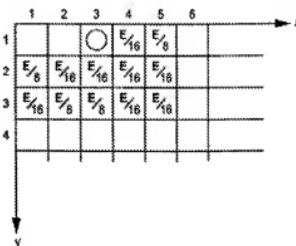


**METHOD FOR REPRESENTING THE HALFTONE OF AN IMAGE AND IMAGE TREATMENT DEVICE AND PRINTING DEVICE FOR CARRYING OUT SAID METHOD****Publication number:** WO0251125**Publication date:** 2002-06-27**Inventor:** ENGBROCKS WERNER (DE); HERMANN ULRICH (DE)**Applicant:** OCE PRINTING SYSTEMS GMBH (DE); ENGBROCKS WERNER (DE); HERMANN ULRICH (DE)**Classification:**- **International:** H04N1/405; H04N1/405; (IPC1-7): H04N1/405- **European:** H04N1/405C; H04N1/405C**Application number:** WO2001EP12087 20011018**Priority number(s):** DE20001061222 20001208**Also published as:** US2004051906 (A1) EP1340366 (A0) EP1340366 (B1)**Cited documents:** EP0602854 US5243443 US5375002 US5835687 WO9307709[more >>](#)[Report a data error here](#)**Abstract of WO0251125**

The invention relates to a method for representing the halftone of an image. The invention is based upon a combined scanning method with a dither matrix and an error diffusion method. According to the invention, when a halftone value of an image is determined, the colour value of image points which are not arranged next to the image point whose halftone value is being determined are corrected. Several colour values in particular are corrected. According to the inventive method, errors existing when determining a halftone value are distributed over a larger area, enabling predetermined point forms to be substantially maintained by the dither matrix.

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